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APPLICATION NO.	FILING D	DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/039,447	11/09/2001		Wolfgang F. Ruettinger	4794A	6090
7590 04/12/2004			EXAMINER		
Stephen I. Miller			LANGEL, WAYNE A		
Chief Patent Counsel Engelhard Corporation				ART UNIT	PAPER NUMBER
101 Wood Avenue Iselin, NJ 08830-0770			1754		
				DATE MAILED: 04/12/2004	DATE MAILED: 04/12/2004

Please find below and/or attached an Office communication concerning this application or proceeding.



UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office Address: COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

ATTORNEY DOCKET NO. FIRST NAMED INVENTOR

SERIAL NUMBER | FILING DATE

EXAMINER				
ART UNIT	PAPER NUMBER			

DATE MAILED:

This is a communication from the examiner in charge of your application. COMMISSIONER OF PATENTS AND TRADEMARKS

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This application has been examined Responsive to communication filed on	This action is made final.
A shortened statutory period for response to this action is set to expire month(s), days fr Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133	om the date of this letter.
Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:	
 Notice of References Cited by Examiner, PTO-892. Notice of Art Cited by Applicant, PTO-1449. Information on How to Effect Drawing Changes, PTO-1474. Notice of Informal Paters 	atent Drawing Review, PTO-948. nt Application, PTO-152.
Part II SUMMARY OF ACTION	
1. Claims	are pending in the application.
	e withdrawn from consideration.
2. Claims	have been cancelled.
3. Claims	
4. Claims 1-20	are rejected.
5. Claims	are objected to.
6. Claims are subject to restric	
7. This application has been filed with informal drawings under 37 C.F.R. 1.85 which are acceptable for exa	
8. Formal drawings are required in response to this Office action.	
9. The corrected or substitute drawings have been received on Under 37 areacceptable;not acceptable (see explanation or Notice of Draftsman's Patent Drawing Review,	C.F.R. 1.84 these drawings PTO-948).
10. The proposed additional or substitute sheet(s) of drawings, filed on has (have) beer examiner; disapproved by the examiner (see explanation).	
11. The proposed drawing correction, filed, has been approved; disapproved	ed (see explanation).
12. Acknowledgement is made of the claim for priority under 35 U.S.C. 119. The certified copy has been filed in parent application, serial no; filed on	n received not been received
13. Since this application apppears to be in condition for allowance except for formal matters, prosecution as accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.	s to the merits is closed in
14. Other	

EXAMINER'S ACTION

Application/Control Number: 10/039,447

Art Unit: 1754

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Baumann et al. Baumann et al disclose the water gas shift reaction in the presence of a catalyst comprising copper, a platinum group metal aluminum oxide and titaniúm dioxide. See col. 4, lines 13-53. The differences between the process disclosed by Baumann et al, and that recited in applicant's claims, are that Baumann et al do not disclose that the catalyst shoul comprise at least 50% of the alumina support, or that the copper should be dispersed on the cerium oxide. It would be prima facie obvious to employ the alumina support in an amount of at least 50% in the catalyst of Baumann et al, since it would be within the skill of one of ordinary skill in the art to determine a suitable or optimum amount of the alumina to employ. Regarding claims 15-20, it would be further obvious to disperse the copper and platinum group metal on the cerium oxide, since Baumann et al teach at col. 4, lines 50-53 that that a preferred catalyst comprises platinum, copper and cerium oxide on finely divided aluminum oxide, and one of ordinary skill in the art would recognize that the copper and platinum could be dispersed on the cerium oxide to increase the catalytic surface area of the platinum and copper components.

The other references are made of record for disclosing various catalysts for carrying out the water gas shift reaction.

Application/Control Number: 10/039,447

Art Unit: 1754

Any inquiry concerning this communication should be directed to Wayne Langel

at telephone number 571-272-1353.

Wayne Langel
Primary Examiner

Art Unit 1754